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THE ROSE THORN

Vol. 31, No. 8

Rose-Hulman Institute of Technology

Friday, October 27, 1995

Lilly money could further "real engineering experience"

by Kevin Gaither
Thorn Reporter

"One of the most significant steps that we've taken in recent years in developing programs here," said Barry Farbrother, head of the department of electrical and computer engineering, about the \$2.5 to 4 million proposal currently being prepared for the Lilly Endowment.

This year, the endowment has considerably more funding than it has had in the past, and is required by law to distribute a percentage of that money to state programs. That is why Rose-Hulman, along with four other colleges in Indiana, has

been asked to submit proposals for consideration.

Three areas were brought forward to the endowment on October 18. These included a \$500,000 program for management infrastructure, a \$1.25 million proposal that helps parallel Rose to the workplace, and a \$2.5 million curriculum development program.

Lilly expressed an interest in the second proposal on paralleling school with the workplace and asked Rose-

Hulman to submit a formal proposal greatly widening the plan.

"We want to get a real

"[The Lilly Endowment] is one of the most significant steps that we've taken in recent years in developing programs here."

— Barry Farbrother

engineering project experience with an external client as a requirement for every graduating senior," Farbrother explained.

Farbrother hopes that a symbiotic relationship will develop between Rose-Hulman and companies throughout Indiana.

"Very often, if a student works out well in these types of situations," Farbrother explained, "that student is offered a job after graduation."

A new product development laboratory is a part of the overall cost. Niche centers that already exist will also be funded: applied life sciences research center, center for industrial statistics,

images systems lab, center for applied optics studies, and technical assistance and service center.

The hope is to channel projects through the existing niche centers and also through the new product development lab.

Benefits will also be seen in the engineering management masters

See "LILLY" Page 3

"Saving dollars" a reality for companies practicing object-oriented programming

by Michael Pruett
Thorn Reporter

Object-oriented programming and design was the focus of a Computer Science Department Colloquium given on October 24 by Brian Graves, a software engineer for Hughes Information Technology Corporation.

Object-oriented programming has been a particularly hot subject in the programming community for the past five years. The practice has sparked an ideological war between the performance of procedural systems and the reusability of object systems. It was only relatively recently that the computational power to implement object-oriented systems has become widely available.

Because systems implemented

in object-oriented design can be reused for different applications, it is often desirable to use object-oriented methodology rather than the traditional procedural design.

This benefit comes at a sometimes high cost in performance, as object-oriented programs typically incur significantly more overhead than their procedural counterparts.

"What will happen is because you get a class that's generic enough that it can be used across several different domains, there's enough layers of overhead that the run-time performance will kill you," Graves explains.

Graves admits that object-oriented design has caused some problems for Hughes, but Graves believes that "the next

thing that comes out in the future, chances are it's going to be based on an object-oriented paradigm as opposed to a procedural paradigm."

"Because we just manage resources," Graves explains, "we're able to adapt that system. Take a plumb out of a spacecraft-oriented [system] and put into a car's [system]. [Large-scale] reuse of an entire design is where you save lots of dollars."

It was only within the last five years that object-oriented programming has become mainstream enough to be used in the business world, and few colleges, according to Graves, have altered their curricula to adapt to this migration.

Because of this discrepancy, Hughes trains most new employees in object-oriented design and methodology.

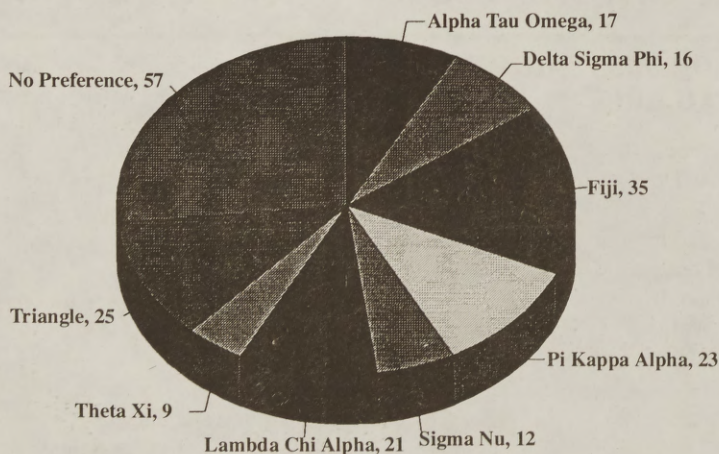


"Let's just relax, okay?"

Amanda Hopf comforts Kevin Tretter during the Rose-Hulman Drama Club's presentation of Moliere's *The Learned Ladies*. Two shows are slated this weekend beginning tonight at 8 p.m. in the Moench Hall Auditorium. The second show will be performed tomorrow at 8 p.m. Tickets are \$5 for adults, \$4 for children, and free to students. Photo by Chris Dolphy

"I Pledge Allegiance ..."

1995 Rush Statistics



Fraternity names are followed by the number of students pledging during Bid Tuesday exercises. Statistics are from the Office of Student of Affairs.

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**MEETINGS / GATHERINGS**

- Fri., Oct. 27 — Wabash Valley Education Alliance/National Science Foundation's Problem Based Learning Workshop, Heritage Ballroom, Tirey Hall, Indiana State Univ., 9:30 a.m. to 4 p.m.
- Fri., Oct. 27 — Biomedical Engineering Seminar, "Synthetic Bone," Richard Luedemann, Project Manager For Applied Technology, Biomet, Inc., O-105, 10:50 a.m.
- Tues., Oct. 31 — Institute Meeting, E-104, 4:20 p.m.
- Wed., Nov. 1 — President's Administrative Council, PA Room, 8 a.m.
- Wed., Nov. 1 — Physics & Applied Optics Colloquium, "Application Of L-Edge X-Ray Absorption Spectroscopy To Nickel Proteins," Corie Ralston, Lawrence Berkeley Laboratory, CL-119, 4:20 p.m.
- Thurs., Nov. 2 — Biomedical Engineering Seminar, Carl Stamper, Wright Medical Technology, Inc., O-105, 10:50 a.m.
- Wed., Nov. 8 — President's Administrative Council, PA Room, 8 a.m.

**SPORTS**

- Sat., Oct. 28 — Cross Country, at ICAC Championships, Crawfordsville
- Sat., Oct. 28 — Women's Swimming, at DePauw University, Greencastle, 1 p.m.
- Sat., Oct. 28 — Rifle Team, vs. Murray State Univ. & Xavier University, Murray, Ky.
- Sat., Oct. 28 — Soccer, Manchester College, Jim Rendel Field, 11:30 a.m.
- Sat., Oct. 28 — Football, Hanover College, 1:30 p.m. (WSDM-AM 1130, 1:15 p.m.)
- Tues., Oct. 31 — Registration Deadline, Intramural Cross Country Meet
- Thurs., Nov. 2 — Intramural Cross Country Meet, Phil Brown Field
- Fri., Nov. 3 — Swimming, at Illinois Wesleyan Univ., Bloomington, Ill., 6:30 p.m.
- Sat., Nov. 4 — Football, at Wabash College, Crawfordsville, 1:30 p.m. (WSDM 1130, 1:15 p.m.)
- Sat., Nov. 4 — Rifle Team, at Buckeye Classic, Columbus, Ohio (Continues On Nov. 5)
- Wed., Nov. 8 — Men's Basketball, Exhibition, Shook Fieldhouse, 7:30 p.m.
- Sat., Nov. 11 — Football, at University of Chicago, Chicago, Ill., 1:30 p.m. (WSDM-AM 1130, 1:15 p.m.)
- Sat., Nov. 11 — Cross Country, at NCAA Regionals, Adrian, Mich.

**ENTERTAINMENT / LEISURE**

- Fri.-Sat., Oct. 27-28 — Drama Club Play, "The Learned Ladies," Moench Hall Auditorium, 8 p.m.
- Mon., Oct. 30 — Film Class Presentation, "Taxi Driver," GM Room, 7 p.m.
- Tues., Oct. 31 — SAB Presents Comedian Don Reece, WORX, 8 p.m.
- Sat., Nov. 4 — Fine Arts Series, Pianist Jonathan Biss, Moench Hall Auditorium, 7:30 p.m.
- Tues., Nov. 7 — Film Class Presentation, "Clockwork Orange," GM Room, 7 p.m.

**ADDITIONALLY...**

- Fri., Oct. 27 — Admissions Office Open House, Moench Hall Auditorium, 1 p.m.
- Fri., Oct. 27 — Army ROTC Brigade Ranger Challenge (Through Oct. 29)
- Wed., Nov. 1 — Army ROTC Fall Awards Parade, Phil Brown Field, 5 p.m.
- Mon., Nov. 6 — Flu Shot Clinic, Faculty/Staff Lounge, Moench Hall, Noon-2 p.m.
- Tues., Nov. 7 — Flu Shot Clinic, Faculty/Staff Lounge, Moench Hall, 8-11 a.m.
- Sat., Nov. 11 — Army ROTC, Veteran's Day Ceremony, 9 a.m.
- Sat., Nov. 11 — Rose-Hulman High School Mathematics Competition, 11 a.m.

**DAD'S DAY****OCTOBER 28**

11 a.m. - 1 p.m.

Lunch, Main Dining Room
Hulman Union**Noon**Parents' Concessions Open
Shook Fieldhouse**1:30 p.m.**Football Game
Rose-Hulman vs. Hanover College
Phil Brown Field**After Game**Dad's Day Cookout
E.E. Black Recreation Center
(East of Shook Fieldhouse)**8 p.m.**Drama Club Presentation
"The Learned Ladies"
Moench Hall Auditorium**SUBMISSIONS TO
CAMPUS EVENTS**

Events may be published in *Campus Events* by any organization or individual. Simple announcements of times and locations may be submitted to Campus Calendar, in care of Dale Long, associate director of communications, at Box 14 or extension 8418. More detailed articles containing plans, agendas, and specific information should be submitted to the *Rose Bush*, via Karen Pershing in the mailroom.

All submissions must be made by Wednesday, at noon, in order to be published in *Campus Events* in the *Rose Thorn* on Friday.

The Rose Bush**Campus News and Information****ROSE DRAMA CLUB THEATRE
TRIP TO NEW YORK**

All reservations for the Rose Drama Club Theatre Trip to New York are due on Tuesday, October 31. The trip takes place February 24-28, 1996, during the break between winter and spring terms. All faculty, staff, and students (and their families) are welcome on the trip. Prices start as low as \$575 per person, including airfare, transfers, hotel, two theatre tickets, some sightseeing, and a dinner.

Information, including reservation forms, can be obtained from Dr. Cary Laxer, Rose Drama Club faculty advisor. Reservation forms and deposits should be sent to Dr. Laxer via campus mail (box 100) no later than Tuesday, October 31.

**TICKETS FOR MISS SAIGON
AVAILABLE**

On Friday, November 10th, the weekend before finals, the Rose Drama Club is going to Chicago to see Miss Saigon. They will be leaving Friday at 3 p.m. and returning later that night. The combined cost of the charter bus and ticket is \$42 per person. If you are interested in going, contact Clay Wulliman at 877-8654. Seating is limited. A \$20 deposit is required to be placed on the list.

VOLLEYBALL TOURNAMENT

St. Joseph Campus Center is hosting a volleyball tournament on Saturday, November 4 from 1-5 p.m. at the Arena in ISU's North Gym. Teams are co-ed with 4-6 players. The games

will follow men's rules, with underhand serving allowed. The entry fee is \$25. There will be a \$100 cash prize awarded, as well as other prizes. The deadline for entry is October 28. For more information, contact Erin Secrest by phone at 877-9556 or by E-mail at secreste@coral.indstate.edu.

**GUESS THE KERNELS, WIN A
PRIZE**

The Rose-Hulman Bookstore is holding a competition for all students. Guess the number of kernels it takes to fill the pumpkin jar and win a Rose-Hulman sweatshirt of your choice.

The drawing will be held on October 31st. Only one entry per Rose-Hulman student is allowed.

Rose misses Reagan, students say they never stop studying

A national survey posed several lifestyle questions to a representative sample of Rose students in a compilation of college profiles.

Rose was one of several schools featured in *The Princeton Review Student Access Guide to the Best 309 Colleges — 1996 Edition*.

Students were asked to answer more than 70 multiple-choice questions dealing with academics, campus life, study habits, and other topics.

After compiling the data, Princeton ranked the participating schools in several categories. A ranking indicates a strong consensus of opinion by students surveyed at the school in regard to a specific topic.

Princeton Review's rankings cite student opinions at Rose

Category	Ranking
Future Rotarians and Daughters of the American Revolution	2
Don't Inhale (little or no marijuana use on campus)	4
Things run smoothly (best administration)	6
Stone-cold sober school	8
Students never stop studying	9
Students most nostalgic for Reagan (conservative politics)	9
Gay students ostracized, discriminated against	12
Trapped on campus	15
Best overall academic experience for undergraduates	15
Everyone plays intramural sports	17

Consulting engineers in the making can get an educational boost with scholarship

Students with hopes of business and management careers in engineering can receive financial help through a scholarship provided by the Consulting Engineers of Indiana.

The \$2,000 scholarship competition is open to any junior or senior enrolled in an accredited engineering curriculum, however, preference will be given for those students pursuing a career in consulting.

The student receiving the statewide award will be eligible for the national scholarship competition sponsored by the American Consulting Engineers Council.

The scholarship will be awarded based on the following criteria: academics, an essay, work experience, a recommendation, and college activities. The recommendation should be from a consulting engineer, an engineering professor, or a land surveyor.

The topic of the 500 word required essay is "What is a consulting engineer or land surveyor and, why should you consider it as a career?"

To apply for the scholarship, contact Professor Cecil Lobo in the civil engineering department. Applications are due by January, 29, 1996.

NEW FACULTY SPOTLIGHT

Frederick Berry

Title:

Associate Professor of Electrical and Computer Engineering

Hometown:

West Monroe, Louisiana, located 50 miles south of Arkansas

Education:

- Louisiana Tech in Ruston, Louisiana
- Ph.D. in Electrical Engineering
- Master of Science in Electrical Engineering
- Bachelor of Science in Electrical Engineering

Experience:

Berry has fourteen years of teaching experience at his alma mater of Louisiana Tech. Over this time, Berry specialized in the areas of controls and parallel processing.

Professional Interests:

For the last three years, Berry has been consulting for Chevron. He has used his expertise in controls to redesign Chevron's power systems for their off-shore oil platforms.

In the past, Berry has also worked for NASA. After the *Challenger* tragedy, Berry was called in to assist NASA in the redesign of the power system for future space flights. From this experience, Berry developed an interest in parallel processing.

Due to cutbacks in government spending, Berry no longer has a place in NASA. He feels that NASA has been one of the most successful government programs of the twentieth century, and the U.S. should continue to fund the program beyond keeping a shuttle program operational.

"A lot of stuff we use and take for granted was a spin-off from NASA," Berry said. Berry cites the advancement of cellular phones developed through satellite technology as an example of products derived through NASA research.



Professor Berry

Personal Profile:

Berry lives in Terre Haute with his wife and three children. Outside of the classroom, he finds time to act as a den leader for local Cub Scouts and build model rockets.

Berry played a little football in college, but spent 16 years actively involved in rugby. While at Louisiana Tech, Berry played and coached rugby for both college and club teams.

Impressions of Rose:

Berry said that coming to Rose has been a refreshing change from working at a state-supported school. Berry said that the redtape and bureaucracy associated with working at a state school was often frustrating for him.

Berry described Rose students as being motivated and conscientious when it comes to doing coursework and working in the labs.

Schedule:

This quarter, Berry is teaching EE 206, Elements of Electrical Engineering I, and EE 471, Design of Feedback Systems.

Compiled by David Hile, News Editor

Collegiate intellectual endeavors spotlight of All-USA Academic Team recognition

USA Today is looking for the best and brightest college students to name to its annual All-USA Academic Team.

The 20 first-team members will be invited to a special recognition ceremony in Washington, D.C., on February 9. Overall, 60 students will be recognized in a special section of *USA Today*. Each of the first-team members will also receive a \$2,500 cash award.

The contest is open to any full-time undergraduate attending a four-year university.

The most heavily-weighted portion of the application will be the section where

the student describes his or her most intellectual endeavor and its significance to the local community or society in general. The endeavor must have been initiated during the student's college career and have generated some type of public recognition.

Also, a nomination is required by a professor who can detail the student's intellectual achievement.

For more information on the application procedure, contact the *Thorn* at extension 8255 or stop by the office, C-216. All entries must be postmarked by November 17.

"LILLY"

CONTINUED FROM PAGE 1

program. Current requirements allow for analytical work for companies, and this proposal would make more projects available to students.

"The cost will cover equipment for new laboratories and enhancement of the current niche centers, as well as describing a thorough new program," Farbrother continued.

A recently acquired project center will be located at Aleph Park, a 13,000 sq. ft. area that was once part of ACD.

There will be more job openings necessary for the support staff and management of all of these new facilities. "The benefits to the state of Indiana are obvious," Farbrother commented.

"The Lilly money is seed money," he described, "and eventually we hope it will be self-sustaining."

At this moment in time, Farbrother and a growing committee are accumulating information for the formal proposal to the Lilly Endowment. Faculty should provide feedback to him before November 7 by e-mail.

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Sometimes justice pays much more than it costs



George Will

Syndicated
Columnist
The
Washington Post

WASHINGTON—Several weeks have passed since the weeping judge and his supporting cast in the Simpson fiasco slouched off history's stage, so you may be hungry for fresh evidence of malpractice by American institutions. You can satisfy your appetite by becoming acquainted, as the Supreme Court did in oral arguments last week, with the case of the \$4 million blemish on Dr. Ira Gore's \$40,000 car. It is a cautionary tale for conservatives.

Gore, an Alabamian, happily drove his 1990 BMW for nine months before taking it to a detailing shop because he wanted it to look even "snazzier." There he was told that a portion of the car had been repainted before he bought it, a fact apparent only because of something so minor that not even Gore, who apparently is fastidious about things automotive, had noticed it—a four-inch tape line on one fender.

Because the finish of cars can be damaged in transit or by environmental conditions such as acid rain before being sold, BMW maintains in this country a refinishing facility like the one used at the factory when cars

come off the assembly line with blemishes. It restores cars to factory condition. BMW's policy is that if the cost of repairs exceeds 3 percent of the car's retail price, the car is used as a company car and then sold as a used car. If the cost of repairs is less, the car is delivered to dealers as a new car.

BMW adopted this 3 percent threshold because it equaled the strictest requirement among various state laws—and indeed was adopted by Alabama after the trial of Gore's suit. The cost of the repair of Gore's car (\$601) was substantially below the threshold. Nevertheless, Gore sued BMW, charging fraud.

Although the tape line could have been easily buffed out, Gore's lawyer, citing one person's uncorroborated testimony that even perfectly refinished cars are diminished in value by 10 percent, asked for compensatory damages of \$4,000 (the 10 percent)—plus punitive damages of \$4 million. That figure was arrived at by multiplying \$4,000 by the number of cars (approximately 1,000) that BMW had touched up at a cost of at least \$300 and sold throughout America in the previous 10 years.

Gore's lawyer urged the jurors to have the "courage" to give BMW's money to Gore on behalf of 1,000 people who were unaware of any injury done to them. The jury did.

Alabama's supreme court compounded the travesty when cutting the \$4 million judgment

WHICH COLOR MOST INFLUENCES U.S. JUSTICE?



BLACK



WHITE



GREEN

in half. The court acknowledged that the ruling violated BMW's due process rights by punishing it for actions that occurred outside Alabama, including actions in 21 states where BMW's disclosure policy conformed to explicit state laws. But as BMW argues, the

or less stringent than BMW's standard.

The actions of the Alabama jury and supreme court are part of a growing stain of willful recklessness in litigation. A New York jury awarded \$54 million in an asbestos case,

Gore's lawyers urged the jurors to give BMW's money to Gore on behalf of 1,000 people who were unaware of any injury done to them. The jury did.

Alabama court perpetuated the constitutional violation when it took the tainted \$4 million ruling as the basis of its \$2 million "compromise."

That sum bore no rational relationship to the 14 refurbished BMWs sold in Alabama in the preceding 10 years, reflected no defensible ratio of punitive damages to Gore's potential harm, and was not defensible as necessary to punish or deter, especially given that virtually every state that has legislated on this subject has adopted damage disclosure standards identical to

giving each of the three victims \$18 million because "18" symbolizes "life" in Hebrew.

Remember the New Mexico case where a jury awarded a woman \$2.9 million because the McDonald's coffee she spilled while driving burned her and might have been too hot. A judge reduced the award to \$490,000 to punish and deter bad "corporate coffee policy," thereby proving that the difference between the capriciousness of judges and juries often is merely a matter of degree.

David Tell, writing about the Simpson verdict in *The Weekly Standard*, says conservatives sanguine about "restoring the stolen power of the federal government to its rightful owners in civil society" must face the fact that the Los Angeles Police Department, the Simpson jury—and the inner city crowds and black college student bodies that exulted about the verdict—are facets of civil society. Indeed.

Regarding state and local institutions, many conservative today manifest the least conservative quality: sentimentality. They should remember that Madison, the Founding Father most favored by many thoughtful conservatives, advocated the Constitution, with its enhanced central government, because the injustices of state government were "so frequent and flagrant as to alarm the most steadfast friends" of popular government. Where, then, can power be lodged with confidence that it will not be abused? Nowhere.

The Rose Thorn

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The Rose Thorn is published on Fridays at Rose-Hulman Institute of Technology.

The Rose Thorn welcomes letters and comments from its readers. We request that all letters to the editor be less than 300 words long. The editors reserve the right to edit letters for grammar, clarity and length (if over 300 words). All letters to the editor must contain the writer's signature, class year and phone number. All submissions will be confirmed before publication. Letters may be sent by electronic mail to Thorn@Rose-Hulman.Edu, but still must contain the writer's phone number for confirmation. For prompt publication, letters should be typewritten or printed by computer. All letters for an issue of the Thorn must be received before noon on the Tuesday prior to publication.

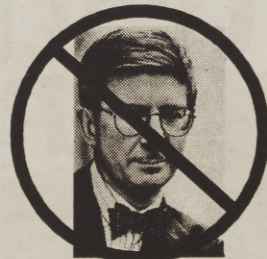
We would like to remind our readers that the views expressed in the Thorn do not necessarily represent the opinions of anyone other than the original author.

A last Will and testament?

The quarter is drawing to a close, and its time for a change. For the past two years, the Thorn has run a syndicated column from a member of the Washington Post Writer's Group. For the last two quarters, this has meant that George Will has appeared on this page of the Thorn. Before Will, it was Charles Krauthammer. Before Krauthammer, we featured William Raspberry.

The Thorn has a stated purpose of informing the Rose-Hulman community of news, events, and ideas. These views should come from those who are actually a part of that community. The syndicated columns which appear in the Thorn can be interesting and informative.

It's time for students to get more involved. It's time to stop sending money to the Washington Post. It's time to eliminate George Will from the Rose-Hulman campus.



In order to do this, we will need at least three new writers the Thorn. These writers would be writing features and/or opinions articles. Writers would not be obligated to write for the paper every week. They would be expected to take on assignments from time to time, but they would also be allowed to write on topics that they judge to be of interest.

You don't get a grade for working at the paper. You don't get credit for working at the paper; you do get a

small degree of recognition, but the key reason for working at the paper is gaining experience in writing. Working at the Thorn is arguably the closest thing you can get to a degree in journalism while attending Rose.

People who wish to improve their skills at writing persuasively should consider themselves prime candidates. Opinion writers would be expected to have opinions and be able to express those opinions in a meaningful way.

Our definition of "features" at the Thorn is a bit odd. Ideally, a feature story has a basis of factual information, may include opinion, but is not purely fictional. Humor is certainly allowed, but not as an end in itself. We are looking for people who will take the job seriously.

If you are interested, please stop by the Thorn office on the top floor of Moench Hall, or leave a message at campus extension 8255.

Joining the ranks of the privileged few

by Steven Williams
Features Editor

Many people would rather identify as victims than admit that they are in some way privileged. As a result, we have a multitude of victims who are eager to point fingers and place blame on "the privileged few". Can a few privileged people really suppress the dreams and desires of everyone else?

The answer is a simple no.

What is it that all of these people are complaining about? What does it mean when someone cries "reverse discrimination" or refers to "equal rights" as "special rights"? Why do people like to believe that they are being held back, cheated, or underpaid?

The answers to these questions are not as simple.

Some people are able to overcome tremendous obstacles during their lives. Faced with seemingly unbeatable odds, they manage to end up on top. It may take more than strength, more than luck, and more than a head full of foolish dreams, but it can be done.

There are other people who are not faced with unfavorable odds, who still face the occasional hardship, but otherwise have the world at their feet. But even when most things are going their way, it doesn't seem like enough. They see someone who has a bit more, someone who gets a chance that they weren't offered, or someone who seems to have more opportunities, and feelings of jealousy follow.

But seldom are the feelings rec-

ognized or expressed as jealousy. Instead, they masquerade as fear, anger, and suspicion. People can feel anger when they see others succeed. With anger comes accusations. This is when people start to use terms like "privileged" and "special treatment". This is when people allow their emotions to overtake reason.

This is not to say that no one ever gets "special treatment" or that no one ever "plays favorites", but more often than not, "special treatment" is an imagined phenomenon. For the most part, people do have the world at their feet.

In many competitions, there can only be one first place, and there are many opportunities which can only be given to one person. There is an overabundance of opportunities

In one sense or another, we are all the privileged few

available for anyone who is willing to look, but if you always expect to win first place, then you are bound to face disappointment sooner or later.

Losing is not easy work, but coming in second place is nothing to be ashamed of. Finishing last is still noble, if a noble effort has been made. What isn't noble is crying foul, accusing an opponent of cheating, or accusing someone of "playing favorites".

There is no denying that some people have more options than others. It might seem paradoxical, but

in times of trouble, it is easier to focus on what we don't have than to realize all that we do have.

The privileged few are more than a few. Indeed, in one sense or another, we are all the privileged few. Privileged to have our families, our friends, our jobs, or just privileged to be alive.

Victims are also easy to come by. We've all been cheated, we've all faced personal tragedies, and we've all survived. That survival is a testament to our strength. The only people who remain victims are those who choose to remain victims, those who choose to focus on their past failures, and those who allow their jealousy to become bitterness and then allow that bitterness to thrive.

The rest of us are the "privileged few", the chosen ones. No doubt, this is a big responsibility. No doubt, it is sometimes a challenge simply to realize all that we have been given: the privileges, the choices, the abilities, and the dreams. But if we can even begin to grasp our potential, then we can survive a few misfortunes along the way.

The choice is ours.

"Cereal of the Month" exposé

by Michael Pruett
Thorn Reporter

Though nearly all Rose-Hulman students enjoy the cereal offerings provided by ARAMARK, the nebulous internal workings of the Cereal of the Month selection process are known to a select few. Among those illuminati are Dining Services Director Mark Farner and Board Plan Manager Mike Harnishfeger.

Contrary to what many students believe, the Cereal of the Month is not the cereal most popular among students. Rather, the Cereal of the Month is a venue used to complement or add variety to the standard fare of cereal offerings.

Nevertheless, student demand and feedback are the primary driving forces behind the selection of a Cereal of the Month. "Students pretty much speak their mind when it comes to cereal," explains Mark Farner.

On the implications of political motivations in the selection process, Harnishfeger says, "[Students] have been asking for Honeycombs for years. That's how we ended up with Honeycombs this month. Post wasn't cooperating, and they weren't selling it to wholesalers, and now they are."

Michael May, a student who possesses no authority whatsoever in the field, opines of the Cereal of the Month, "It sucks this month."

Indeed, there is a significant amount of controversy surrounding the cereal chosen

to be the Cereal of the Month, primarily due to the elevated status this cereal possesses.

"The possibility of selecting sugar cereals two months in a row as the Cereal of the Month has some very serious implications," says freshman Nathan Hardt, an expert in the field.

Popular demand, however, does not always grant a cereal this position of honor. "If we have two [high] sugar cereals in a row, then we try to get a lesser sugar cereal [for the next month]," says Farner.

Furthermore, in the months of April and May, student feedback is typically fairly low, so the burden of selection falls almost entirely on Harnishfeger.

Farner admits that the reign of a Cereal of the Month does not always fall in sync with the months of the calendar. Due to lengthy delays between a cereal's order and its delivery, it is often difficult to anticipate when the supply of a given cereal will expire, and thus when transition between cereals will occur.

Fortunately, such a potential disaster has been averted this month by skillful timing on Farner's part. "We'll be real close with the Honeycombs when the end of the month comes."

Because of these delays, the Cereal of the Month for both November and December have already been selected. Truly December's Cinnamon Toast Crunch will have a difficult act to follow after Fruity Pebbles' November sovereignty.

Exploring the limits of logic

by Michael Bickel
Thorn Columnist

I like to argue. It gives me the opportunity to test logic of which I am unsure. Often, I will argue a viewpoint I don't understand in hope of gaining a better understanding of it. Most of the time, the main question is over tiny fragments of a real issue. When arguing becomes competitive, people look to those fragments to piece together proof. Proof is a conclusion; it is solid, unquestionable.

To many people proof means knowledge. If I can prove that the blue button opens the door to Moench Hall, I know that it will. Since I know that, I don't have to think about it, and everything is convenient.

A logical argument is often a good way to establish knowledge. But in many cases, a logical argument simply is not adequate. If I wish to find out how to throw a curveball, I can learn by doing. If I wish to evaluate the credentials of an individual, I can only do it by comparison. In these cases, an intuitive grasp is more important than a logical one.

A logical argument can be focused on to ignore an intuitive one. For example, consider the automatic door. I could spend years learning why the electrons sing and dance to make the motor turn to make the piston push to make the door open. By doing this, I could avoid real understanding. I have a very general understanding of the door and its components by intuition. This gives me far better comprehension than a million page proof.

Is everything that exists logical? Yes, but it is not obviously logical. I assume it is completely logical that my CD player

works, or that my car doesn't. However, it is inconvenient to think of each component all the time. It limits me from thinking about what I am doing with the big picture.

When I discuss the meaning of life, I have no logic comprehensive enough to introduce. When I discuss relativity, my logic is guesswork. The most interesting ideas that I have cannot be described by stating only facts. Must I choose between thinking and knowing?

To argue over facts is interesting; to argue over ideas is exciting. Only intuition and a questioning mind are required for the latter. Unfortunately, I usually feel I have to justify my opinions if I am to state them. Because of this, I miss out on an infinite number of intriguing thoughts. Since many of my thoughts are not necessarily rational, there are only a few people who care to discuss them.

A computer plotter draws a picture point by point, line by line. It accurately executes hundreds of steps for each little mark on the paper. In the end, the picture is precise. This is similar to using logic to prove a conclusion. When I draw, I use freehand. Although it is not as accurate, I have the hope of forming something original, something far more beautiful than what I could have seen otherwise.

Logic obviously has its place. For technical problem solving it is absolutely necessary. For in-depth knowledge of any person, place, or thing it is needed. For precision in describing or designing it must be used. But originality is necessary too. Don't be afraid to think about what isn't proven. Don't be afraid to think.

Ski Terre Haute!

by Eric Schmidt
Thorn Columnist

As the days grow cold, I find myself wishing for a Colorado snowstorm and a mug of hot chocolate. I look back on my time here, and find that it has truly been a blur. Although Thanksgiving fast approaches, those three weeks in between seem awfully far away. Maybe the cold nights are bringing my spirits down. I know, though, that a good six-inch snowstorm can raise my spirits. I've been told that they don't get too many of those out here. Well, here's hoping.

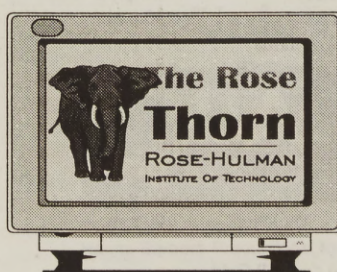
Snow

The days drift by me quietly
And blend into my memory
So suddenly, the summer goes
As if it never came

So soon, the skies are clouded
And my memories are shrouded
I know now, as the days grow cold
I haven't been the same

The leaves are drifting slowly
And though I am feeling lowly
I will lie beside the quietness
That autumn brought along...

...And I find my spirit humming
That the holidays are coming
And as snow begins to cover me
My heart is filled with song.

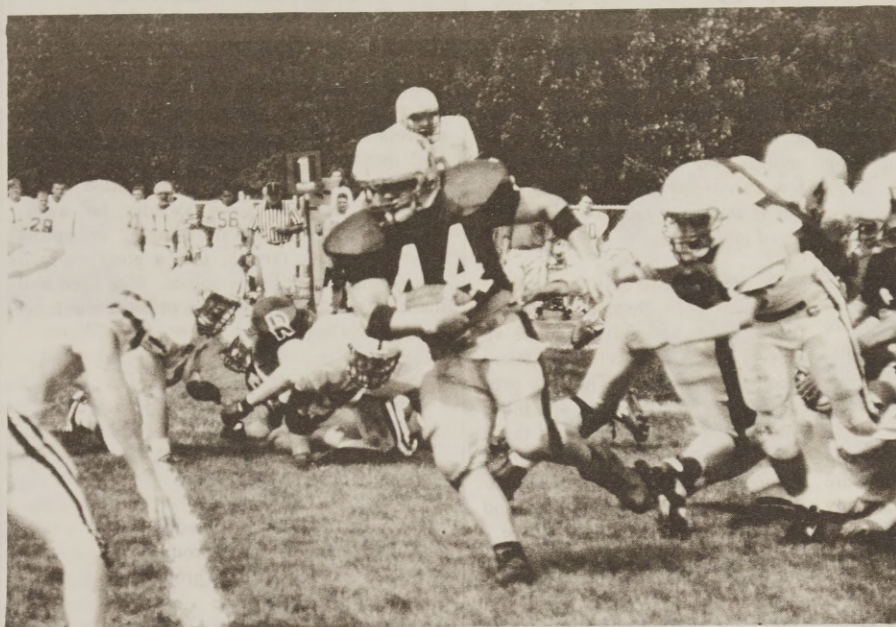


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Football team defeats Franklin 29-27 for third straight win



Junior fullback Stuart Quay breaks into the open field last Saturday against Franklin College. Quay has carried the ball 83 times for 476 yards and 6 touchdowns this season for the Engineers.

Photo by Chris Dolphy

The Rose-Hulman football team has not won any style points over the last three weeks, but last Saturday's 29-27 win over Franklin was the third in a row for Head Coach Scott Duncan's squad.

For the third straight week, Rose-Hulman was outgained and held possession of the ball for less time than their opponents. Franklin had 511 yards of total offense to the Engineers' 355, and the Grizzlies had almost an eight-minute advantage in time of possession. Franklin junior halfback Rick Etienne rushed for an

ICAC record-tying 296 yards on 39 carries.

But Rose-Hulman never trailed in downing the Grizzlies.

Senior quarterback Todd Harris rushed for 104 yards and a touchdown, and connected on a season-high 13 of 17 passing attempts for 96 yards. Junior halfback A.J. Wilkerson rushed for 40 yards and two TD's on five carries, caught two passes for 22 yards, and completed both of his passes for 39 yards. One completion (37 yards) came on a key

fake punt to Eric Gappa on a fourth-and-14 play.

Gappa caught three passes for 58 yards, and junior Billy Hammond pulled in five catches for 46 yards. Senior fullback Jason Tolle rushed for 76 yards and a 51-yard touchdown on just seven carries.

Senior cornerback Jerome Williams ran 98 yards to return a blocked Franklin PAT attempt in the first quarter, scoring a two-point defensive extra-point. The kick was blocked by senior safety Chris Blanton. Senior linebacker

Brian Crissman had a team-high 12 tackles, while fellow linebackers Mark Wolfe and Bryan Hagelskamp had 11 and 10 tackles, respectively. Senior cornerback Joel Brazle had five tackles and two key pass break-ups.

This Saturday, Hanover College brings an unblemished record into town for a matchup with the Engineers. However, there is more at stake on Saturday than Hanover's perfect 7-0 record.

A win for Rose-Hulman would move the Engineers into a first-place tie with Hanover, while the Panthers can clinch no worse than a tie for the league title with a win. Rose-Hulman has just one more league game remaining after Saturday's game.

Hanover boasts the NCAA III's top passing game, accounting for 376.4 yards per game. Senior quarterback Terry Peebles ranks No. 1 in the nation in total offense, averaging 416.1 yards per game. He has passed for 2,587 yards, 20 TD's and has completed 205 of 354 attempts — in just seven games.

Senior wing back Ben Fox is the national leader in receptions per game (10.7) and was ranked seventh in the nation in receiving yards per game (115.5) heading into the Panthers' 41-21 win over Wabash College last Saturday.

Rose-Hulman still has one of the nation's top rushing attacks, piling up 308.7 yards per game on the ground. The Engineers have five backs who have gained over 250 yards. The fivesome is led by

senior quarterback Todd Harris, who has rushed for 648 yards and seven TD's. Fullback Stuart Quay has rushed for 474 yards and six TD's; halfback A.J. Wilkerson has piled up 401 yards and six TD's, averaging 7.0 yards per carry; fullback Jason Tolle has accumulated 377 yards rushing and wing back Billy Hammond has 260 yards rushing.

The two teams are putting up some impressive numbers on the scoreboard as well. Hanover is averaging 35.3 points per game, while the Engineers average 29.9 points per game.

"We know Hanover will be ready for us, especially since we've handed them their last defeat," stated Duncan about the Hanover game. "It is too obvious to say that Terry Peebles is an outstanding quarterback. He gets rid of the ball quick and is incredibly accurate. We are going to count on our offense to shoulder some of the burden this week."

Saturday is the last home football game of the season, and the final for the senior members of the squad. Senior members are: Chris Blanton, Joel Brazle, Brian Crissman, Eric Gappa, John Goodhue, Todd Harris, Drew Johnson, Randy Johnson, Scooter Phillips, Greg Rosinski, Jason Tolle, John Welliver, Jerome Williams, and Mark Wolfe.

Kickoff is slated for 1:30.

ROSE-HULMAN INTRAMURAL INFORMATION OCTOBER 27 - NOVEMBER 2

Co-Ed Volleyball

Date	Level/Division	Teams	Time	Court
Oct. 31	C Level - Division B	Faculty 1 vs. Mayple	7:00 p.m.	1
		Attack vs. Scamps 2	7:00 p.m.	2
		Skeletor vs. Clubs	7:00 p.m.	3
		Attack vs. Mayple	9:00 p.m.	1
		Skeletor vs. Scamps 2	9:00 p.m.	2
		Little D vs. Clubs	9:00 p.m.	3
Oct. 31	D Level	Spike 1 vs. BSB 2 B	8:00 p.m.	1
		BSB 2 A vs. Diggers	8:00 p.m.	2

Volleyball Courts:
1 - West
2 - Center
3 - East

Tournament play begins November 2.

Flag Football

Date	Level/Division	Teams	Time	Field	Officials
Nov. 2	B Level - Division A	Sphinxes vs. ATO 1	7:00 p.m.	1	Purple Rage
		Pike B vs. Purple Rage	8:00 p.m.	1	ATO
Nov. 1	B Level - Division B	ATO 2 vs. En-Fuego	9:00 p.m.	1	SN 1
		Pike A vs. SN 1	10:00 p.m.	1	En-Fuego
Oct. 30	C Level - Division A	SN 2 vs. TRI	4:30 p.m.	1	CWA
		CWA vs. Yo Mama	5:30 p.m.	1	SN 2
Nov. 1	C Level - Division A	Moss Mouse vs. BSB 1	4:30 p.m.	2	Yo Mama
Nov. 2	C Level - Division A	Players vs. TRI	9:00 p.m.	1	SN 2
		SN 2 vs. BSB 1	10:00 p.m.	1	TRI
		Moss Mouse vs. Yo Mama	11:00 p.m.	1	BSB 1
Oct. 30	C Level - Division B	Deming 0 vs. Buffalo	4:30 p.m.	2	Hadji
Nov. 1	C Level - Division B	Hadji vs. BSB 2	8:00 p.m.	1	Munchers
		Smitty's vs. Munchers	7:00 p.m.	1	Smitty's

Fields:
1 - Next to football field
2 - Next to baseball field

Sports Briefs

Soccer closes out season this Saturday

Rose-Hulman closes out the 1995 season this week against Manchester at 11:30 a.m. Saturday. The Engineers are 6-7-1 overall and 3-2 in the Indiana Collegiate Athletic Conference, following last week's 7-4 overtime loss at Wabash College and a 2-0 victory against Franklin this past Wednesday.

Sophomore Kelly Ojala scored the second collegiate goal of his career against Wabash. Senior Gabe Ferland scored a pair of goals and an assist in the overtime loss to Wabash College. The Engineers and the Little Giants were tied 3-3 following regulation, but Michael Clump's five goals helped the home team to victory.

On Friday, the Engineer kickers played host to Franklin College. Senior Andy Doll scored both goals as the Engineers shut out the Grizzlies 2-0.

Rose-Hulman has finished second the last two seasons in the ICAC, and with a win over Manchester, they will move into a tie with the Spartans for second place in the league.

Cross country competes in league meet

The Rose-Hulman men's and women's cross country teams will give everything they have this Saturday as they compete in the Indiana Collegiate Athletic Conference Championship at Wabash College.

Head Coach Bill Welch's squads should be ready for this week's competition after a break in the schedule last weekend.

This will mark the first ICAC competition for a Rose-Hulman women's team.

Winter sports seasons right around corner

The men's and women's basketball teams began workouts on Monday for the upcoming 1995-96 seasons. This marks the beginning of the winter sports season. Below are the season-openers for the winter sports teams:

Swimming	Nov. 3 at Illinois Wesleyan
Men's Basketball	Nov. 17 vs. St. Thomas at Trinity (Texas) Tournament
Women's Basketball	Nov. 18 vs. Wesleyan at Sewanee Tournament
Wrestling	Nov. 29 at Wabash (vs. Wabash, Carleton)

"I'm competitive about solving problems at work - and it doesn't stop there."

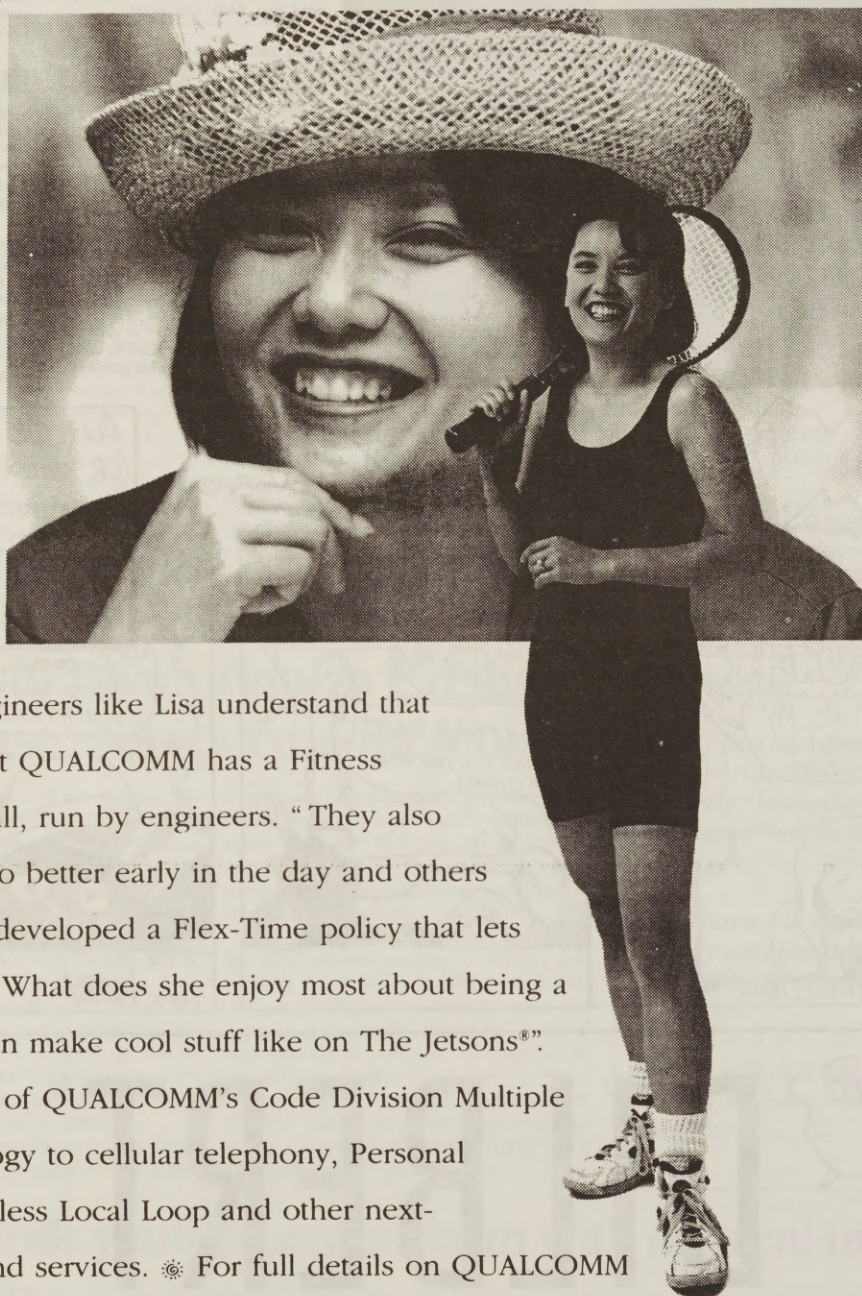
Lisa Wang, BSEE
University of California,
San Diego '92, often

stops by QUALCOMM's
Fitness Center after work for
a game of tennis. "I get so
mentally involved with the
backplane I'm working on, I
need physical exertion to

bring me back to earth." ☼ Engineers like Lisa understand that
principle, so it's no wonder that QUALCOMM has a Fitness
Center—the company is, after all, run by engineers. "They also
understand that some people do better early in the day and others
later," continues Lisa. "So they developed a Flex-Time policy that lets
people set their own hours." ☼ What does she enjoy most about being a
QUALCOMM engineer? "You can make cool stuff like on *The Jetsons*".

☼ This includes the application of QUALCOMM's Code Division Multiple
Access (CDMA) digital technology to cellular telephony, Personal
Communications Services, Wireless Local Loop and other next-
generation wireless products and services. ☼ For full details on QUALCOMM
and information about our products, technologies, career information and

on-campus schedule, visit our website at <http://www.qualcomm.com/> You may also mail/fax
your resume (include transcripts) to College Relations, P.O. Box 919013, San Diego, CA
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Alumni Room,
Hulman Memorial
Union Building**



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Top Ten Reasons You Should Run the Linux Operating System

10. Tyler says DOS is cool.
9. If your name is "Chris," you get a special discount.
8. Your Netscape *will*, in fact, work.
7. Increases your Geek factor.
6. It's written by a drunk guy in Finland.
5. Bill Gates doesn't see a dime from it.
4. Learn how many BogoMips *your* computer has!
3. You can still sit around all day and play "Doom" to your heart's content.
2. You can ask questions at the WCC Help Desk, and they *still* won't understand you.
1. It's free.

Courtesy G-220

Classified Advertisements

FOR SALE:

JENSEN compact setero, 3 disc changer, dual cassette, graphic equalizer, surround sound, remote control. \$300 obo. Call Kelli at x8627.

1979 Yamaha XS400F motorcycle good cond. runs. \$400. Call x8255.

Supra 2400 baud external modem, \$25. For more information, e-mail lawrenc@nextwork or leave a message at 877-9888.

WANTED:

Individuals, Student Organizations and Small Groups to Promote SPRING BREAK '96. Earn MONEY and FREE TRIPS. CALL THE NATION'S LEADER, INTER-CAMPUS PROGRAMS. <http://www.icpt.com>. 1-800-327-6013.

HP programmer seeks new or used plug-in RAM cards for the HP48SX, 128K or greater. Will pay reasonable prices. Call

x8873 or e-mail at poyliohj@nextwork.

HOUSING:

Reduced rent in exchange for performance of housekeeping duties for a wheelchair-bound male. Two bedroom apartment. Six miles from RHIT campus. Call DJP 812-232-1013 LEAVE MESSAGE.

EVENTS:

Come to MOVIE & GAMES NIGHT, Friday, Nov. 3, 7:00 p.m., at United Ministries Center, 321 N. 7th St. Two thumbs up for great movies, great games, and free popcorn! Questions? Call 232-0186.

Everyone is going BOWLING Saturday, October 28, 1:00-4:00 p.m. We'll meet at 12:30 p.m. at United Ministries Center, 321 N. 7th St. Call 232-0186 to register by October 28. Let us know if you need a ride!

SUPPER (food for the body) and WORSHIP (food for the soul) Thursday,

Oct. 26, supper at 5:00 p.m. and worship at 6:00 p.m., United Ministries Center, 321 N. 7th St. Call 232-0186 by Oct. 25 to register for supper. Come to either or both!

Policies:

The Rose Thorn offers classified advertisements less than 30 words free to Rose-Hulman students, faculty, and student organizations. For submissions of more than 30 words, each additional word is \$0.10.

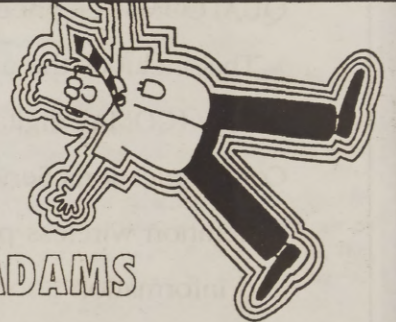
All other classified ads are \$3.00 for the first 30 words, then \$0.15 for each additional word.

The Thorn reserves the right to refuse advertising which the editors judge to be discriminatory on the basis of race, religion, sexual orientation, or that promotes violence or illegal activities or is in bad taste.

Submissions may be made at the Thorn office (room C216), through the Thorn Box 2034, or by calling the Thorn at ext. 8255. Deadline for submissions is 5 p.m. the Wednesday prior to publication. Runs over one week must be renewed weekly by contacting the Thorn office, unless prior run arrangements have been made.



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BY
SCOTT ADAMS

